

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-125205

(43)Date of publication of application : 28.05.1991

(51)Int.Cl.

G05F 3/26
 B41J 2/45
 B41J 2/455
 G09G 3/28

(21)Application number : 01-263471

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(22)Date of filing : 09.10.1989

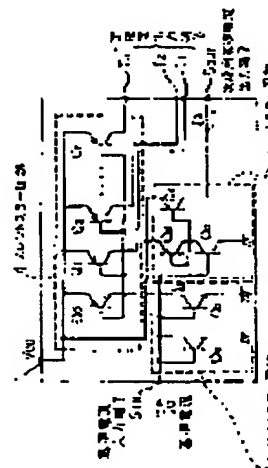
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(54) MULTI-OUTPUT TYPE CONSTANT CURRENT SUPPLY INTEGRATED CIRCUIT

(57)Abstract:

PURPOSE: To omit the correction of a constant current to each integrated circuit IC by providing a reference current generating means which outputs a current equal to a reference current supplied from an external constant current source to an IC of the next stage based on the reference current.

CONSTITUTION: A reference current input terminal SIN is provided to receive a reference current IO from an external constant current source together with a current mirror circuit 3 which obtains a constant current equal to the current IO received via the terminal SIN, and a current mirror circuit 4 which generates many constant current outputs opposite in 1:1 to the constant current output terminals T1-Tn. A current mirror circuit 5 consists of transistors Qc, Qd and Qe and produces a constant current IO equivalent to the reference current IO. The constant current IO is used as a reference current of the IC of the next stage and outputted via a reference current output terminal SOUT for the next stage. In such a constitution, the variance is reduced for the reference current produced by a constant current source for each IC. Then no correction is required for the constant current value of each IC.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

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[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]